

## COATING FORMING METHOD AND COATING FORMING MATERIAL, AND ABRASIVE COATING FORMING SHEET

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**Cited documents:**

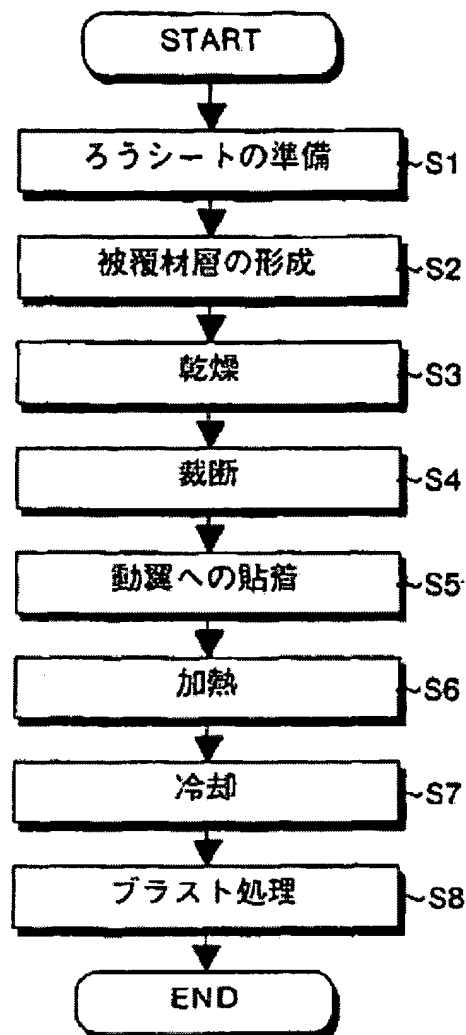
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**Abstract of WO02097160**

First, a wax sheet is provided (step S1). The wax sheet consists of a wax material layer, an adhesive material layer and release paper. The wax material layer consists of a wax material. Next, a coating material layer is laid on the wax material layer (step S2). The coating material layer consists of a mixture of coating particles and a binder. Coating particles use MCrAlY particles and abrasive grains (cubic system boron nitride particles, etc.). Next, the coating material layer is dried (step S3), and the wax sheet is cut (step S4), for bonding to a rotor blade (step S5). Next, the rotor blade is heated (step S6) to melt the wax material. The wax material is wetted as an MCrAlY particle-surrounding liquid phase, and is then diffused by a heat-treat retaining process. Next, a solidified layer is formed by cooling (step S7). The solidified layer is blasted (step S8) and cubic system boron nitride particles are allowed to protrude to complete an abrasive coating.

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S1...PROVIDING WAX SHEET  
S2...FORMING COATING MATERIAL LAYER  
S3...DRYING  
S4...CUTTING  
S5...BONDING TO ROTOR BLADE  
S6...HEATING  
S7...COOLING  
S8...BLASTING

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